| W | ork | Ω r | der | ID | 50 | 584 |
|--------------|------|------------|-----|-----|----|-----|
| A A (| UI K | VI. | uer | 117 | | 204 |

Tuesday, June 08, 2010 11:31:29 AM



Page 1

Insp.

Stamp

Item ID: D105-674-011G Accept Setup Start **Revision ID:** Stop Item Name: Skidtube, Grey Start Otv: 1.00 Start Date: 6/8/2010 **Cust Item ID:** Req'd Qty: 1.00 Required Date: 6/17/2010 **Customer:** Reference: Start Run Date: 10-6-08 Tooling: Approvals: **Process Plan:** Date: Stop Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Tool ID Tool # Plan Reject Accept Reject Work Center ID Description Otv **Run Hours** Code Otv Number **Draw Nbr Revision Nbr** D2966 Rev A2 100 0.00 DOCUMENT CONTROL 0.00 Memo Document Control Photocopy bluefile & type labels per PPP D105-674-011G 110 0.00 Skidtubes Skidtubes 0.00 Memo Skidtubes 1-Determine square end of tube and deburr 2-Drill #30 pilot holes using DT8678. Open holes to Ø5/16" (0.313"). Deburr holes.

120

CNC Bend 1

BENDING MACHINE - SKIDTUBES

Memo

0.00

0.00

CNC Delta 100 Bender

Bend tube as per program BO105 on CNC Bender and Dwg D2966 as per folio 1

| Dart Ae | rospace | Ltd | | | | | |
|---------|---------|--------------------------|---------|-------|-----|-------------------------------|------------------------|
| W/O: | | WORK ORDER CHANGES | | | | | |
| DATE | STEP | PROCEDURE CHANGE | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approva QC Inspecto |
| | | | | | | | ٠, |
| | | • | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | : |
| Part No | : | PAR #: Fault Category: N | CR: Yes | No DQ | A: | Date: _ | · |

_____ Date: ___

Resolution: _____ QA: N/C Closed: ___

| NCR: | | , | WORK ORDER NON-CONFORMANCE (NCR) | | | | | |
|------|------|-------------------|----------------------------------|------------------------------|-------------|--------------|---|--------------------------|
| DATE | CTED | Description of NC | | Corrective Action Section B | | Verification | | |
| DATE | STEP | Section A | Initial Chief Eng | Action Description Chief Eng | Sign & Date | Section C | Approval Chief Eng | Approval QC Inspector |
| | | • | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | , | |
| | | | | | | | | |
| | | | | | | | | |
| | - | | | | | | | |
| | | | | | | | | |
| | | | , | | | | | |
| | | | | | | | | |

Page 2

Tuesday, June 08, 2010 11:31:29 AM Item ID: D105-674-011G Accept Setup Start **Revision ID:** Stop Item Name: Skidtube, Grey Start Date: 6/8/2010 Start Oty: 1.00 **Cust Item ID:** Req'd Qty: 1.00 Required Date: 6/17/2010 **Customer:** Reference: Run Start Process Plan: _____ Date: Tooling: **Approvals:** Date: Stop Date: SPC (Y/N): Date: Sequence ID/ Operation Tool ID Set Up/ Tool # Plan Accept Reject Reject Insp. Work Center ID Description **Run Hours** Code Qty Qty Number Stamp 130 0.00 Skidtubes Skidtubes 0.00 Memo Skidtubes 1-Cut Fwd end of the tube using DT8185-1 2-Cut Aft end at 107.06" using DT8185D 3-Deburr ends 4-Drill Aft Cap holes using DT8678 5-Locate DT8679 with 1/8 clecos in Aft Cap holes. Ensure DT8679 is centered on Fwd end of tube and drill #40 Fwd bushing. 6-Clamp DT8679 to the tube. Drill all #30 wearplate and crossbolt holes. 7-Open Aft Cap holes using #6 drill 8-Open wearplate holes and two side holes to Ø19/64" (0.297") as per Dwg D2966-1. 9-Deburr holes. 10-Open remaining (16) crossbolt holes to Ø0.500 140 0.00 Skidtubes

Skidtubes

1-Weld Fwd Cap as per Dwg D2966 and QSI 004. Fill #40 Fwd cleco hole. Alk M114242 2-Grind Fwd Cap welds flush

40/6/19

| Dart Ae W/O: | | | 15.0 | DI ODDED ATT | | | | | | 4 |
|-----------------|------|---|----------------------|-------------------------------|-------------|----------------|----------|------|-------------------------------------|----------------------|
| W/O: | T-: | | wc | RK ORDER CHA | INGES | | | | | , |
| DATE | STEP | PR | OCEDURE CHAI | NGE | | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approving QC Inspect |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Part No | | DAD #. | Fault Cata | | | | | | | ā |
| r art ito | | PAR #: Fault Category: NCR: Yes No DQA: solution: QA: N/C Closed: | | | | | | | | |
| | Reso | lution: | Disposition |): | QA: | N/C CI | osed: | | Date: _ | |
| NCR: | | | WORK ORDE | R NON-CONFOR | RMANCE | (NCR |) | | | |
| DATE | STEP | Description of NC | | Corrective Action | Section B | | Verifica | tion | Approval | Approva |
| DATE | SIEP | Section A | Initial Chief Eng | Action Descripti Chief Eng | ion | Sign & Date | Section | | Chief Eng | QC Inspect |
| | | , | | | | | | | | |
| | | , | | | : - : | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | i | | 1 1 | | | | 1 | 1 | | |

| Work Orde Tuesday, June 08 | | | , | | | | | | | | | Page 3 |
|---|--|--|-------------------------|--|-----------|---------|--------------|---------------|-------------|---------------|------------------|----------------|
| Revision ID: Item Name: | D105-674-01 Skidtube, Gree 6/8/2010 6/17/2010 | | | Accept | Cust Iter | m ID: | | | | Start | 11001110101 | 1 |
| Approvals: | Process Pla | in: | | Tooling: SPC (Y/N): | | Date: | |] | | Start Stop | | |
| Sequence ID/ Work Center II 150 QC Quality Control |) | Operation Description QC10- Inspect visual per | r QS1004- ground welds | Set Up/ Run Hours 0.00 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Tool II | D Tool# | Plan Code | Accept Qty | Reje Qty | ct | Reject Number | Insp. Stamp |
| QC Quality Control | | QC5- Inspect part compl | leteness to step on W/O | 0.00 | localit | , | | Œ | | | | . |
| 170 HandFinish Hand Finishing | | Chemical Conversion Co | oat per QS1005 4.1 | 0.00 | | P | | 10- | 6 | -1 | 5 | · <u></u> |

| Dart Ae | rospace L | td | | • | | | | | | ومو |
|---------|-----------|---------------------------------------|----------------------|--------------------------|-----------|----------------|---------------|----------|-------------------------------|-----------------------|
| W/O: | | | WC | RK ORDER CH | ANGES | | 71 | | | , , |
| DATE | STEP | PRO | OCEDURE CHA | NGE | | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approv QC Inspect |
| | | | - . | | | | | | 7 100 Mg | |
| | | | | • | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | <u>.</u> | | |
| Part No | : | PAR #: | Fault Cate | Jory: | NC | R: Yes | No DQA | | Date: | |
| | | olution: | | | | | | | | |
| NCR: | | | WORK ORDE | R NON-CONFO | RMANCI | (NCR |) | | | |
| DATE | STEP | Description of NC | <u> </u> | Corrective Action | Section B | | Verifica | tion | Anneousle | A |
| DAIL | SIEP | Section A | Initial Chief Eng | Action Descrip Chief Eng | otion | Sign & Date | Section | | Approval Chief Eng | Approva QC Inspect |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | · · · · · · · · · · · · · · · · · · · | | | | | | | | |
| | | | | | | | | i | | |
| | | | | | | | | | | |
| | - | | *- | | | | - | <u> </u> | | |

| | e r ID 59584 3, 2010 11:31:29 A | M | | | | | | | , | | - | Page 4 |
|---|---|------------------------------|-------|----------------------|----------|-------|--------------|---------------|--------------|-------------|----------------|----------------|
| Item ID: Revision ID: | D105-674-011G | | | Accept | | | | | Setup S | Start | | |
| Item Name: | Skidtube, Grey | | | | | | | 1 | | Stop | | |
| Start Date: Required Date: Reference: | | 't Qty: 1.00 'd Qty: 1.00 | | | Cust Ite | • | | | · | 1 1 1 | | |
| Approvals: | Process Plan: | | Date: | Tooling: | 'A | Date: | _ | <u> </u> | Run | Start | | |
| | QC: | | Date: | SPC (Y/N): | | Date: | | | | Stop | | |
| Sequence ID/ Work Center ID | Desc | ration ription | | Set Up/ Run Hours | Tool II | Tool# | Plan Code | Accept Qty | Rejec Qty | | eject umber | Insp. Stamp |
| 180 QC | QC3- | Inspect Part Finish | | 0.00 | | | | · <u> </u> | M.(| <u>9/6</u> | 115 | 1 |
| Quality Control | | Memo | | 0.00 | ·, | | | | | : | | · |
| 190 | <u>.</u> Skidtı | ubes | | 0.00 | | | | 1 | M V | ?/6/1 | ς | |

0.00

1-Open crossbolt holes to finish size as per Dwg D2966
2-Open 14 holes to Ø0.750" & 2 holes to Ø0.875", countersink crossbolt holes & remove alodine to prepare for welding as per Dwg D2966
3-Deburr holes inside & outside, blow out chips

Memo

Skidtubes

Skidtubes

| 414 | 3. 1 | | | | | | | | | |
|-------------|-------------|-------------------|----------------------|------------------------------|-----------|----------------|-----------------|-----|-------------------------------------|-----------------------|
| Dart Ae | rospace l | Ltd | | | • | | | | | × |
| W/O: | | | WC | RK ORDER CHA | ANGES | | | | | , |
| DATE | STEP | PR | OCEDURE CHAI | NGE | | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approva QC Inspect |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | v | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | į. |
| | | | | | | | | | | |
| Part No |): | PAR #: | Fault Cate | jory: | NCF | R: Yes I | No DQA : | | Date: _ | |
| | | solution: | | | | | | | | |
| NCR: | | , | WORK ORDE | R NON-CONFO | RMANCE | (NCR |) | | | |
| DATE | CTED | Description of NC | | Corrective Action | Section B | | Verifica | ion | Annuairal | A |
| DATE | STEP | Section A | Initial Chief Eng | Action Descript Chief Eng | ion | Sign & Date | Section | | Approval Chief Eng | Approva QC Inspect |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | İ | | |
| | | | | | | | | | | |
| | | | | | | , | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | ļ | | 1 | | | 1 |

Work Order ID 59584

Tuesday, June 08, 2010 11:31:29 AM



Page 5

Item ID: D105-674-011G Accept Setup Start **Revision ID:** Stop Item Name: Skidtube, Grev Start Date: 6/8/2010 Start Oty: 1.00 **Cust Item ID:** Req'd Oty: 1.00 **Required Date: 6/17/2010** Customer: Reference: Run Start Tooling: **Approvals:** Process Plan: Date: Date: Stop Date: SPC (Y/N): Date: Sequence ID/ Operation Set Un/ Tool ID Tool # Plan Accept Reject Reject Insp. Work Center ID Description Run Hours Code **Qty Oty** Number Stamp 200 0.00Skidtubes Skidtubes 0.00 Memo Skidtubes 1-Bond Web in place per OSI 015. (Ensure holes line up) Oty□Part Numbe □Description□Batch A/R Sikaflex-291 B·113519 B Sikaflex expiry date: 11/2010 Sterttime: 11: USAM 10-06-17 MB 2-Weld Crossbolt Spacers as per Dwg D2966 and QSI 004. For crossbolt spacer, A/R | Sikaflex-291 | 8-1135 | 90 weld one side, pass 5/8" drill; weld other side, pass 5/8" drill. Oty Part Number □Description □ Batch BE 10/06/21 A/R - Aluminum Rod - m114242 3-Pass Ø0.630" drill to remove spillover for D2973 crossbolt. Pass Ø0.750" drill to remove spillover for D2971 crossbolt. 4-Grind welds flush as per Dwg D2966 AWM10-06-21 210 QC10- Inspect visual per OSI004- ground welds 0.00 QC Memo Quality Control

Dart Aerospace Ltd W/O: **WORK ORDER CHANGES Approval** DATE **Approval STEP** PROCEDURE CHANGE Bv Date Qtv Chief Eng / Prod Mgr QC Inspector Part No: ______ PAR #: ____ Fault Category: _____ NCR: Yes No DQA ____ Date: _____ Resolution: _____ QA: N/C Closed: ___ Date: WORK ORDER NON-CONFORMANCE (NCR) NCR: **Corrective Action** Section B **Description of NC** Verification **STEP Approval** DATE **Approval Action Description** Sign & Initial . Section A Section C Chief Eng QC Inspector Chief Eng Chief Eng Date

| Work Orde Tuesday, June 08 | | | | | | | | | | : | | Page 6 |
|--|--|---|--|------------------------------|----------|---------|--------------|--------------|---------------|---------------|------------------|-------------|
| Revision ID: Item Name: | D105-674-01 Skidtube, Grey 6/8/2010 6/17/2010 | | | Accept | Cust Ite | m ID: | | | Setup | Start | | |
| Approvals: | | 1: | Date: | Tooling: SPC (Y/N): | | Date: | | | Run | Start Stop | | |
| Sequence ID/ Work Center II 220 QC Quality Control | | Operation Description QC5- Inspect part compl | eteness to step on W/O | Set Up/ Run Hours 0.00 | Tool II | D Tool# | Plan Code | Accep Qty | t Reje Qty | | Reject Number | Insp. Stamp |
| Powder Coating | | Memo START TIM OVEN TEM FINISH TIM | 12588 16: <u>1:45</u> 19erature: 320 | 0.00 | | | Ó | BA | l p | D-6 | | · · |
| 240 QC Quality Control | | QC3- Inspect Part Finish Memo | | 0.00 | 101061 | 79 | | 1 | Į. | | | * |

. .

| | rospaci 9584 | WORK ORDER CH | ANGES | | | | 5 5 |
|---------|-----------------|----------------------------|-------|-----------|-----|-------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| blowles | 221 | Repluding asper Par 09-043 | H | iplocales | 1 | | |
| | | | | | | | |

| Part No: 105-674-0116 PAR #: | Fault Category: | NCR: Yes No DQA: | Date: |
|------------------------------|-----------------|------------------|-------|
| Resolution: | Disposition: | QA: N/C Closed: | Date: |

| NCR: | | | NORK ORI | DER NON-CONFORMANC | E (NCR) | | | |
|------|------|-------------------|----------------------|-------------------------------|----------------|--------------|-----------------------|--------------------------|
| DATE | CTED | Description of NC | | Corrective Action Section B | | Verification | Ammuoval | A |
| DATE | STEP | Section A | Initial Chief Eng | Action Description Chief Eng | Sign & Date | Section C | Approval Chief Eng | Approval QC inspector |
| | | | | , | | | | |
| | | | | | | | | |
| , | | | | | | | | |
| • | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | , | | | | | |
| | | | | | | | | ļ |
| | | | | | | | | |

Work Order ID 59584

Tuesday, June 08, 2010 11:31:29 AM



Page 7

Item ID: D105-674-011G Accept Setup Start **Revision ID:** Item Name: Skidtube, Grey **Start Date:** 6/8/2010 Start Qty: 1.00 **Cust Item ID:** Required Date: 6/17/2010 Req'd Qty: 1.00 Customer: Reference: Run Start Approvais: Process Plan: Date: Tooling: Date: Stop Date: SPC (Y/N): Date: Sequence ID/ Operation **Tool ID** Set Up/ Tool # Plan Accept Reject Reject Insp. **Work Center ID** Description **Run Hours** Qty Code **Qty** Number Stamp 250 0.00 HandFinishing 10/06/29 HandFinish 0.00 Hand Finishing Inspect for foreign objects as per QSI 024 2-Install Inserts, Wearplate and Cap per Dwg D2966. Insert a drop of sikaflex at insert holes before installing wearplates. Seal Aft Cap using Sikaflex. Install bushing and nut. By looking Fwd, install nut to right hand side. (ty□Part Number□Description□Batch A/R□□Sikaflex-291□ 1/4 ○ 3 Sikaflex expiry date:□□\\

| \text{Volume of the content of the 3-Wing Walk as per Dwg D2966 and QSI 005 4.4 \(\text{Batch: } \frac{100}{100} \) \(\text{1.4 } \frac{1}{10} \) \(\text{2.5} \) 260 QC3- Inspect Part Finish Memo

Quality Control

| W/O: | | | 14/0 | DE ODDED CHANCE | | | | | |
|---------|------|-------------------|----------------------|-------------------------------|----------------|-----------------|------|-------------------------|-----------------------|
| | OTED | | | PRK ORDER CHANGES | | | | Approval | , |
| DATE | STEP | PR | OCEDURE CHAI | NGE | Ву | Date | Qty | Chief Eng / Prod Mgr | Approva QC Inspect |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Part No | : | PAR #: | Fault Categ | jory: (| NCR: Yes | No DQA : | | _ Date: _ | |
| | Reso | lution: | Disposition | 1: (| QA: N/C CIC | sed: | ļ | Date: _ | |
| NCR: | | | WORK ORDE | R NON-CONFORMAN | CE (NCR |) | | | |
| DATE | STEP | Description of NC | | Corrective Action Section E | | Verifica | tion | Approval | Approva |
| DATE | SIEP | Section A | Initial Chief Eng | Action Description Chief Eng | Sign & Date | Section | | Chief Eng | QC Inspecto |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | 1 | 1 | 1 1 | | 1 |
| | | | | | | | | | |
| | | | | | | | | | |

Work Order ID 59584

Quality Control

Tuesday, June 08, 2010 11:31:29 AM

Memo



Page 8

Item ID: D105-674-011G Accept Setup Start **Revision ID:** Stop Item Name: Skidtube, Grey **Start Date:** 6/8/2010 Start Qty: 1.00 **Cust Item ID:** Required Date: 6/17/2010 Req'd Qty: 1.00 **Customer:** Reference: Run Start Process Plan: Date: Tooling: **Approvals:** Date: Stop Date: _____ SPC (Y/N): Date: Sequence ID/ Tool ID Tool# Plan Operation Set Up/ Reject Accept Reject Insp. **Work Center ID** Description Qty Qty **Run Hours** Code Number Stamp 270 QC5- Inspect part completeness to step on W/O 0.00 0.00 OC Memo Quality Control ******ENSURE INSERT ARE AT LOCATION (6) AS PER DWG D2966***** 280 Pick Kit 0.00 16.6 -30 St Packaging 0.00 Memo Packaging 290 QC4-100% Inspect kits for completeness QC

| Dart | Aer | osp | oace | Ltd |
|------|-----|-----|------|-----|
| | | | | |

| W/O: | | • | | | , | | | | | |
|---------|------|-------------------|-----------------------|---------------------------|-----------|----------------|----------|------|-------------------------------------|--------------------------|
| DATE | STEP | PRO | CEDURE CHANGE By Date | | | | | | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| Part No | | PAR #: | | | | | | | | |
| NCR: | ne | esolution:V | | Date: | | | | | | |
| DATE | STEP | Description of NC | | Corrective Action | Section B | | Verifica | tion | Approval | Approval |
| | | Section A | Initial Chief Eng | Action Desci Chief Eng | ription | Sign & Date | Section | n C | Chief Eng | QC Inspector |
| | | · | | | | | | | | |
| | | | | | | | | | | |

| Work | Order | ID | 59584 |
|------|-------|----|-------|

Tuesday, June 08, 2010 11:31:29 AM



Page 9

Item ID:

D105-674-011G

Accept

Setup

Start

Stop

Revision ID:

Item Name:

Skidtube, Grey

Start Date: 6/8/2010

Required Date: 6/17/2010

Start Qty: 1.00

Req'd Qty: 1.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

QC:

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run

Start Stop

Sequence ID/

Work Center ID

Operation Description Set Up/ Run Hours Tool ID

Tool # Plan Code Accept Reject Qty Qty :

Reject

Insp. Number Stamp

300

Packaging

Packaging

Packaging Memo

0.00

0.00

Identify and pack for shipping as per PPP D105-674-011G Location:

10-6-3081

310

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

W c8.07.01

| Dart Ae | rospace Lt | rd . | | | | | | | · · · · · · · | | | | |
|----------|------------|--|----------------------|------------------------------|----------------|----------|----------|-------------------------------------|----------------------|--|--|--|--|
| W/O: | | | WC | RK ORDER CHANGI | ES | | • | | | | | | |
| DATE | STEP | PR | OCEDURE CHA | NGE | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approving QC Inspect | | | | |
| Dovt No. | | | | | | | | | | | | | |
| Part No | | PAR #: | | | | | | _ Date: _ | | | | | |
| | Reso | olution: | | | | | | Date: _ | | | | | |
| NCR: | | | WORK ORDE | R NON-CONFORMA | NCE (NCR |) | | | | | | | |
| DATE | STEP | Description of NC | | Corrective Action Section | | Verifica | ion | Approval | Approva | | | | |
| DAIL | SILF | Section A | Initial Chief Eng | Action Description Chief Eng | Sign & Date | Section | C | Chief Eng | QC Inspect | | | | |
| | | | | | | | | • | | | | | |
| | | | | | | | | | | | | | |
| | | ······································ | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

Picklist Print

Tuesday, June 08, 2010 11:31:34 AM

Work Order ID: 59584

Parent Item:

D105-674-011G

Parent Item Name: Skidtube, Grey



Start Date: 6/8/2010

Required Date: 6/17/2010

| Comments: | IPP Rev:A□04.07.0 |)7□New Issue□K. | J/JLM | | | | | S | start Qty: 1.0 | 0 | Required | l Qty: 1.0 | 00 |
|---------------------------------|------------------------|-----------------|-------------|-------------------------|------------------|-----------------|--------------------|----------------|-------------------|--------------|---------------|----------------|--------------|
| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
| D2962-125 Outer Tube Extrusion | | Manufactured . | No | | | 110 | Each | 30.0000 | | 1 | | | |
| | | | | <u>Location</u> HALL | 17532 | Loc | Oty 30 30 | Loc Code | | 1 | 10 | -6 | -9 |
| D2964 | | Manufactured | No | | | 140 | Each | 23.0000 | i | 1 | | | |
| | | | | <u>Location</u> LG | 14101 | Loc | Oty 23 23 | Loc Code | • 9 | | BE | | |
| D2976 BO 105 Skidtube I Beam | • | Manufactured | No | | | 200 | Each | 0.0000 | 1 | 1 B · 598 | 83 My | 10/01 10/0 | 6/14 6-14 |
| D2971 Cross Bolt Spacer | | Manufactured | No | | | 200 | Each | 31.0000 | | 1 | | | |
| Closs Bolt Space | | | | <u>Location</u> LG | 44445 | S. Loc (| © Oty 31 31 | Loc Code | | | , A | | 106/21 |
| D2973 Cross Bolt Spacer | | Manufactured | No | | ****** | 200 | Each | 180.0000 | 7 | 7 | | | |
| · | | | | <u>Location</u> LG | 14636 | Loc (| Oty 180 180 | Loc Code | : <u>-</u> : - | 7 | BEI | 0/06/2 | / 2/ |

Page 1

Dart Aerospace Ltd W/O: WORK ORDER CHANGES DATE STEP PROCEDURE CHANGE By Date Chief Eng / Prod Mgr OC Inspector Approval Chief Eng / Prod Mgr OC Inspector

| Part No: | PA | AR #: | Fault Category: | NCR: Yes No | DQA: | _ Date: _ | |
|----------|-------------|-------|-----------------|----------------|------|-----------|--|
| • | Resolution: | | Disposition: | QA: N/C Closed | : | Date: | |

| NCR: | | | | | | | | |
|----------|-------|-------------------|----------------------|------------------------------|----------------|--------------|-----------------------|-------------------------|
| DATE | 0.775 | Description of NC | | Corrective Action Section B | | Verification | A | |
| DATE | STEP | Section A | Initial Chief Eng | Action Description Chief Eng | Sign & Date | Section C | Approval Chief Eng | Approval QC Inspecto |
| | | | | | | | | |
| X | | | | | | | | |
| | | | | | | | | |
| 7-1 | | . 10 | 13 | <u> </u> | - | | | |
| | | | | • | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | • | | | | |
| | | | | | | | |]. |

Tuesday, June 08, 2010 11:31:34 AM

Work Order ID: 59584

D105-674-011G

Parent Item Name: Skidtube, Grev

Parent Item:



Loc Code

| Comments: IPP Rev:A \(IPP Act of the Month of the | | 97□New Issue□K. | ue□KJ/JLM | | | i i i | Start Date: 6/8/2010 Start Qty: 1.00 | | | | Required Date: 6/17/2010 Required Qty: 1.00 | | | |
|---|------------------------|-----------------|-------------|------------------------|------------------|-----------------|---|------------------|-----------|--|--|---------------|----------------|--------|
| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per k | | Total Qty | Qty Issued | Date Issued | Status |
| D2965 Cap, 105 Skidtube | * | Manufactured | No | | | 250 | Each | 49.0000 | 1 | | 1 | | | |
| | | | | <u>Location</u> FP4 | 52057 | <u>Loc</u> | Oty 49 49 | Loc Code 1360 | 16) | | <u>x \</u> | H | 10101 | 4129 |
| D2970-1 | | Manufactured | No | | .2007 | 250 | Each | 23.0000. | | | 1 | 1 | į | |
| | | | | <u>Location</u> FP | | Loc | Oty 23 7 | Loc Code | . | | χι Ј | e) 101 | 06/3 | 29 |
| D2970-3 | | Manufactured | No | | 48213 | 250 | 16 Each | 16.0000 | | | 1 | | | |
| • | | | | Location FP | ! | Loc | | Loc Code | | | | | | |
| D3176-1 | . | Manufactured | No | (| 48214 | 250 | 16 16 Each | 15.0000 | 1 | | ア 1 | 4 16 | 106 | 29 |

Bushing

Loc Oty

15

15

Location

ST041

10/06/29

| Dart Ae | rospace L | td | | | | | | , | 1 4.4 | |
|---------|-----------|-------------------|--------------------------|------------------------------|----------------|----------|-----|-----------|------------|--|
| W/O: | | | WO | RK ORDER CHAN | GES | | | | | |
| DATE | STEP | PR | PROCEDURE CHANGE By Date | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Part No |): | PAR #: | Fault Categ | jory: | NCR: Yes | No DQA: | | Date: _ | | |
| | Resc | olution: | Disposition |) : | QA: N/C C | losed: | | Date: _ | | |
| NCR: | | | WORK ORDE | R NON-CONFORM | IANCE (NCF | ₹) | | | | |
| DATE | STEP | Description of NC | | | ction B | Verifica | ion | Approval | Approv | |
| DATE | SIEF | Section A | Initial Chief Eng | Action Description Chief Eng | Sign 8 Date | Section | | Chief Eng | QC Inspect | |
| | | | | | | | | | | |
| · | | | | | | | E | | | |
| | | | | | | | | | ļ | |
| | | | Ž. | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | 1 | | | |

Tuesday, June 08, 2010 11:31:34 AM

Work Order ID: 59584

Parent Item:

D105-674-011G

Parent Item Name:

Skidtube, Grey

Comments:

IPP Rev: A □ 04 07 07 □ New Issue □ K I/II M



Start Date: 6/8/2010

Required Date: 6/17/2010

Start Otru 1 00

| Comments: | IPP Rev:A□04.07.0 | 07□New Issue□K. | J/JLM | | | | | \$ | Start Qty: 1.00 | 1 | Requir | red Qty: 1.00 |) |
|---------------------------------|------------------------|-----------------|-------------|--------------------------|----------------------------|-----------------|----------------------------------|------------------|-------------------|--------------|---------------|----------------|--------|
| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
| D3176-3 | | Manufactured | No | | | 250 | Each | 23.0000 | | 1 | | - wind in | |
| | | | | Location ST041 | 37585 | Loc | Otv 23 3 | Loc Code | _ | | | | |
| ALS7-1032-130 | | Purchased | No | e | 4896 | 250 | 20 Each | 17.0000 | 36 | 36 | 八人 | 10(0 نوا | ,29 |
| | | | | <u>Location</u> ST282 | 113238 | Loc | Oty 17 17 | Loc Code 入入しい | 1 23 _ | <u> 130</u> | اللام | iolou | 129 |
| MS27039-1-08 | | Purchased | No | | | 250 | Each | 1,481.000 | 26 | 26 | | | |
| | | | | | 110552 110835 114718 | | Oty 1481 44 1237 200 | <u>Loc Code</u> | | ×2(0 | N. | 10/06/- | 29 |
| AN960JD10L | NAS1149D0332J | Purchased | No | | | 250 | Each | 3,795.000 | 28 | 28 | | | |
| | | | | Location ST348 | 110986 | | <u>Oty</u> 3795 3795 | Loc Code | · | X28 | ابعا | iolo c | 129 |

| rospace L | td | | | | | | | | | | |
|-----------|-------------------|--|--|--|---|---|---|---|--|--|--|
| | | WO | RK ORDER CHANGES | | | | | | | | |
| STEP | PR | OCEDURE CHAI | NGE | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approva •QC Inspecto | | | |
| | | · | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | Date | | | | |
| OTED | Description of NC | | Corrective Action Section B | | Vorific | lion | A | A | | | |
| SIEP | Section A | Initial Chief Eng | Action Description Chief Eng | | & Section | | Chief Eng | Approval QC Inspector | | | |
| | | | | | | | | | | | |
| | STEP | PAR #: Resolution: STEP Description of NC | STEP PROCEDURE CHAR PAR #: Fault Category Resolution: Disposition WORK ORDE STEP Description of NC Section A | WORK ORDER CHANGES STEP PROCEDURE CHANGE PAR #: Fault Category: Note | STEP PROCEDURE CHANGE By PAR #: Fault Category: NCR: Yes Resolution: Disposition: QA: N/C C WORK ORDER NON-CONFORMANCE (NCI STEP Description of NC Section A Section B Section A Signal Signal Initial Action Description Signal | STEP PROCEDURE CHANGE By Date PAR #: Fault Category: NCR: Yes No DQA Resolution: Disposition: QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC | STEP PROCEDURE CHANGE By Date Qty Date Qty PAR #: Fault Category: NCR: Yes No DQA: Resolution: Disposition: QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC | STEP PROCEDURE CHANGE By Date Qty Approval Chief Eng / Prod Mgr DEPAR #:Fault Category:NCR: Yes No DQA:Date: | | | |

Tuesday, June 08, 2010 11:31:34 AM

Work Order ID: 59584

Parent Item:

D105-674-011G

Parent Item Name:

Skidtube, Grey

Commenter

IPP Rev. A DOA 07 07 DNew Issue K I/II M



Start Date: 6/8/2010

Required Date: 6/17/2010

Stant Otru 1 00

| Comments: | IPP Rev:A□04.07.0 | I/⊔New Issue⊔K. | J/JLM | | | | i | S | tart Qty: 1.00 | | Requir | ed Qty: 1.0 | 00 |
|--|------------------------|-----------------|-------------|---------------------|------------------|-----------------|----------------------|----------------|----------------|---------------------|---------------|--------------------|-------------|
| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
| /IS27039-1-09 | | Purchased | No | | , | 250 | Each | 455.0000 | 2 | 2 | | | |
| | | | | Location | <u>l</u> | Loc (| <u>Oty</u> | Loc Code | | | | | |
| | | | | ST291 | 111650 | | 455 420 35 | | | *7 | <u>-</u> W | 10(04 | \7 9 |
| 2972 | | Manufactured | No | | | 290 | Each | 111.0000 | 6 | 6 10-6 | 304 | 2 | - |
| | | | | Location | 1 | Loc (| - | Loc Code | | | / | | |
| | | | | ST032 | 33544 44160 | | 111 80 31 | | <u>-</u> | 5 | - | | |
| 2974 acker | | Manufactured | No | | | 290 | Each | 7.0000 | | 1 <u>5-6-3</u> 1 | 920 | to amake | |
| | | | | Location | 1 | Loc | <u>Otv</u> | Loc Code | ! | | | | |
| 02975 | | Mar Cara 1 | N. | ST032 | 42715 | 200 | 7 | | 7 | | _ | ^ | |
| Wearshoe | | Manufactured | No | | | 290 | Each | 11.0000 | /_C | 2)·b - | 30 5 | \mathcal{Y}_{-} | |
| | | | | Location ST497A | 41443 44894 | Loc | Oty 11 1 10 | Loc Code | - A | | - · | | |

| Dart Ae | rospace L | td | | | | | | | |
|----------|-----------|-------------------|----------------------|------------------------------|----------------|---------|-------|-------------------------------------|----------------------|
| W/O: | | | WC | RK ORDER CHANG | ES | | | | • |
| DATE | STEP | PR | OCEDURE CHA | NGE | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approv QC Inspect |
| | | | | | | | | | |
| Part No | | PAR #: | | | | | | | |
| <u> </u> | Hesc | olution: | | | | | | Date: _ | |
| NCR: | | | WORK ORDE | ER NON-CONFORMA | NCE (NCF | R) | | | |
| DATE | STEP | Description of NC | | Corrective Action Section | | Verific | ation | Approval | Approva |
| DATE | SIEP | Section A | Initial Chief Eng | Action Description Chief Eng | Sign 8 Date | Section | r C | Chief Eng | QC Inspect |
| | | | | | | | | | |
| | | • | | | | | | | |
| | | | · | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Tuesday, June 08, 2010 11:31:34 AM

Work Order ID: 59584

Parent Item:

D105-674-011G

Parent Item Name:

Skidtube, Grey

Comments:

IPP Rev:A□04.07.07□New Issue□KJ/JLM



Start Date: 6/8/2010

Required Date: 6/17/2010

Start Oty: 1.00

Required Oty: 1.00

| Date Status Issued | Qty Date Issued Issued | 1 | Qty per Kit | Qty on Hand | Unit of Measure | Route Seq ID | Last Location | Bin Primary Item Location | Mfg/ Purch | Replacement Item ID | Component Item ID/ Item Name |
|-----------------------|---------------------------|---------|-------------|----------------|--------------------|-----------------|------------------|------------------------------|---------------|------------------------|---------------------------------|
| 4 3050 | | 3 | 3 | 24.0000 | Each | 290 | | No | Purchased | | AN4-51A |
| | (0. | U114841 | | | | | | | | | |

Bolt

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| ST361 | 24 | |
| 112720 | 2 | |
| 113121 | 1 | |

21

Each

Purchased

NAS1149D0332J Purchased

No

No

113121 114495

290

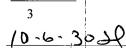
3,795.000

Washer

AN960JD10L



Location Loc Qty Loc Code ST348 3795 3795 110985 290 3,972.000 Each



MS21042L4

Nut

| Location | | Loc Oty | Loc Cod |
|-----------------|------|---------|---------|
| ST139 | | 2 | |
| 111 | 1827 | 2 | |
| ST300 | | 3970 | |
| 113 | 3422 | 68 | |
| 114 | 4523 | 894 | |
| 114 | 4718 | 1000 | |
| 114 | 4784 | 2000 | |
| 906 | 63 | 8 | |

<u>de</u>

| Dart | Aerospace | Ltc |
|------|-----------|-----|
| | | |

| W/O: | | | W | ORK ORDER CHAI | NGES | | | | | • |
|---------|------|--------------------------------|----------------------|--|-----------|----------------|---------------------|-----|-------------------------------------|-----------------------|
| DATE | STEP | PRO | OCEDURE CHA | ANGE | | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | į | | | |
| | | | 4 | | | | | | | |
| | | • . | | | | | | | | |
| Part No | | PAR #: | | | | | | | | |
| | R | esolution: | Disposition | on: | QA: | N/C Clo | sed: | | Date: | |
| NCR: | | \ | WORK ORD | ER NON-CONFOR | MANCE | (NCR |) | | | |
| DATE | STEP | Description of NC Section A | Initial Chief Eng | Corrective Action S Action Description Chief Eng | Section B | Sign & Date | Verifica Section | | Approval Chief Eng | Approval QC Inspector |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Picklist Print

Tuesday, June 08, 2010 11:31:34 AM

Work Order ID: 59584

Parent Item: D105-674-011G

Parent Item Name:

Skidtube, Grey

Comments:

IPP Rev:A□04.07.07□New Issue□KJ/JLM

Start Date: 6/8/2010

Required Date: 6/17/2010

Page 6

Start Qty: 1.00

Required Qty: 1.00

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per K | t Total Qty | Qty Issued | Date Issued | Status | |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-----------|----------------|---------------|----------------|--------|--|
| _MS27039-1-08 | | Purchased | No | | | 290 | Each | 1 481 000 | 26 | Q | | | | |



Screw

| Location | Loc Oty | Loc Code |
|-----------------|---------|----------|
| ST291 | 1481 | |
| 110552 | 44 | |
| 110835 | 1237 | |
| 114718 | 200 | |

6

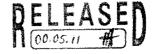
10-6-30

| Dart Ae | rospace | Ltd | | | | | | | |
|---------|----------|-------------------|----------------------|------------------------------|----------------|----------|-----|-------------------------------------|-----------------------|
| W/O: | | | WC | ORK ORDER CHANGES | 3 | | | | • |
| DATE | STEP | PRO | OCEDURE CHA | NGE | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approva QC Inspect |
| | | | | | | | | | |
| | | | 1954 | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Part No | | PAR #: | | | | | | | |
| | R | esolution: | Dispositio | n: | QA: N/C Cld | osed: | ļ | Date: _ | |
| NCR: | | | WORK ORD | ER NON-CONFORMAN | CE (NCR |) | | | |
| DATE | CTED | Description of NC | | Corrective Action Section I | 3 | Verifica | ion | Ammuoval | |
| DATE | STEP | Section A | Initial Chief Eng | Action Description Chief Eng | Sign & Date | Section | | Approval Chief Eng | Approva QC Inspect |
| | | | | | 3 | | | | |
| | | | | | | | | | |
| | <u> </u> | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |





| DESIGN PF | DRAWN BY | DART AEROSPACE US | A, INC. |
|--------------|----------|--------------------------|--------------|
| CHECKED | APPROYED | DRAWING NO. | REV. A |
| # | * | D2966 | SHEET 1 OF 2 |
| DATE | | TITLE | SCALE |
| 00.03.08 | | BO 105 SKIDTUBE ASSEMBLY | NTS |
| А | 00.03.08 | NEW ISSUE | |



| Qty | Part Number | Description |
|-----|------------------|-------------------|
| Х | D2966-041 | SKIDTUBE ASSEMBLY |
| | | |
| 1 | D2962-125 | EXTRUSION |
| 1 | D2964 | CAP |
| 1 | D2965 | CAP |
| 1 | D2970-1 | WEARPLATE |
| 1 | D2970-3 | WEARPLATE |
| 1 | D2971 | CROSS BOLT SPACER |
| 7 | D2973 | CROSS BOLT SPACER |
| 1 | D2976 | WEB |
| 36 | ALS7-1032-130 | INSERT |
| | or ALS4-1032-130 | |
| | or AKS7-1032-130 | · |
| | or AKS4-1032-130 | |
| 28 | AN960JD10L | WASHER |
| 26 | MS27039-1-08 | SCREW |
| 2 | MS27039-1-09 | SCREW |
| 1 | D3176-1 | Bushing |
| l | D3176-3 | NUT |

SHOP COLY
RETURN TO
ENGINEERING
UNCONTROLLED COLY
SUBJECT TO AMENDMENT
WITHOUT A TICK
WORK ORDER
NO. 59589
BLO-6-OF



GENERAL NOTES:

- 1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) WELDING TO BE DONE PER DART QSI 004.
- 3) INSERT D2976 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241/-291 ADHESIVE PER DART QSI 015 AFTER BENDING.
- 4) USE DART DRILL TEMPLATE DT8451 TO LOCATE AND DRILL Ø0.297 HOLES FOR WEARSHOE INSERTS. INSTALL ALS7-1032-130 PER SECTION B-B (34 PLACES) AFTER FINISH. SEAL WEARPLATE SCREWS WITH SIKAFLEX-241/-291.
- 5) DO NOT INSTALL MS27039-1-08 SCREWS AND AN960JD10L WASHERS IN THESE LOCATIONS.
- 6) INSTALL ALS7-1032-130 INSERT, MS27039-1-08 SCREW, AND AN960JD10L WASHER IN 2 PLACES THIS LOCATION BEFORE POWDER COATING.
- 7) FINISH:

ACID ETCH, ALODINE PER DART QSI 005 4.1 PRIOR TO INSERTING D2976 WEB POWDER COAT ASSEMBLY GLOSG WHITE (REF 4.3.5.1) PER DART QSI 005 4.3 BLACK ANTI-SKID PAINT AS INDICATED TO 1.00 ABOVE CENTER LINE PER DART

QSI 005 4.4 (OPTIONAL) BLACK SANDTEX (REF 4.3.5.7)

01.01.74

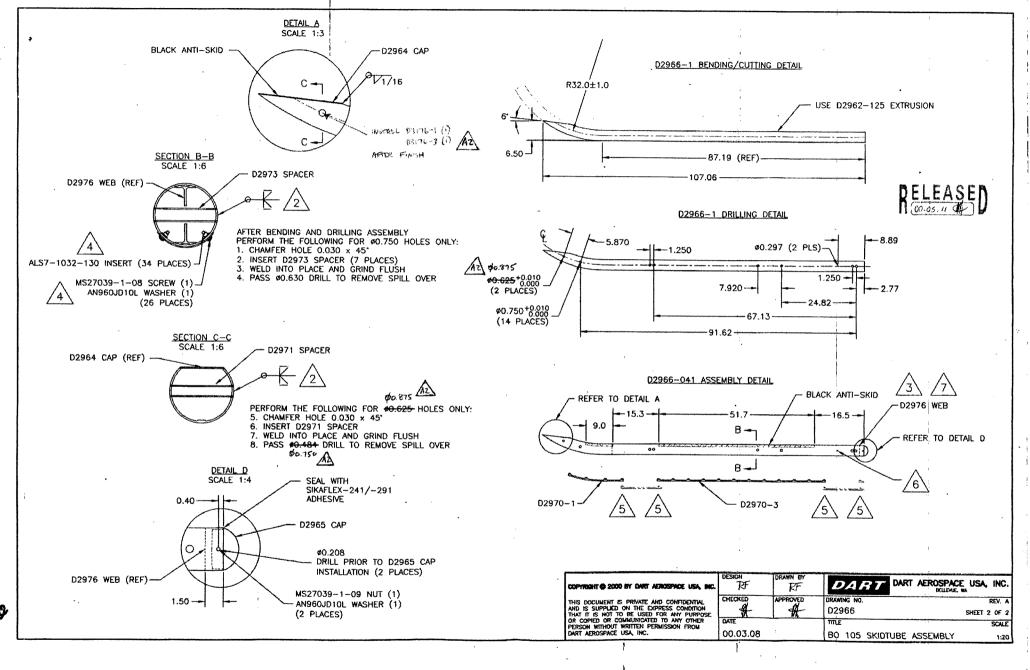
AZ 02.10.30 ADD 03176-1 1-3 # 4P

A1 01.01.29 CHANGE COLOR TO BLACK SANDTEX # 4P

Copyright @ 2000 by DART AEROSPACE USA, INC.

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

Dart Aerospace Ltd W/O: **WORK ORDER CHANGES Approval** DATE **Approval STEP** PROCEDURE CHANGE By Qty Date Chief Eng / QC Inspector Prod Mgr Part No: PAR #: ____ Fault Category: ____ NCR: Yes No DQA: ___ Date: ___ Disposition: _____ QA: N/C Closed: ____ Date: ____ Resolution **WORK ORDER NON-CONFORMANCE (NCR)** NCR: **Corrective Action** Section B **Description of NC** Verification DATE **STEP** Approval Approval Initial **Action Description** Sign & Section A Section C Chief Eng QC Inspector Chief Eng Chief Eng Date



| Dart | Aer | osp | ace | Ltd |
|------|-----|-----|-----|-----|
|------|-----|-----|-----|-----|

| W/O: | WORK ORDER CHANGES | | | | | | | • | | |
|--|--|-------------------|-----------------------|-----------------------------|----------------------------|------------|--|-------------------------------|--------------------------|--------------|
| DATE | STEP | PRO | PROCEDURE CHANGE By D | | | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | , | | | | | |
| | | | | | | | | | | |
| Part No: | | PAR #: | Fault Ca | tegory: | | _ NCR: Yes | No DQA | | Date: | |
| | Resolution: Disposition: QA: N/C Closed: | | | | losed: | Date: | | | | |
| NCR: | | \ | WORK OR | DER NON- | CONFORMA | NCE (NC | R) | | | |
| DATE STEP | STEP | Description of NC | Initial | Corrective Action Section B | | | Verification of the contract o | | Approval | I Approval |
| | | Section A | Chief Eng | | 1 Description Chief Eng | Date | | h C | Chief Eng | QC Inspector |
| | | | | | : | | | | | |
| ************************************** | } | | | | | | | | | |
| e | | | | | | | | | | |
| | | | | | | | | | | , |
| | | | | • | 4 . | | | | | |
| | | | | • | | 3 | | | | |
| | | | | | | | | | | |
| | | | | i | • | | | | | |
| | | | | | | | | | | |

NO.192

AWS D17.1.2001 QUALIFICATION TEST RECORD

| Name: | | And the second s | |
|--|--|--|---------------|
| Part number: DIOS GIM ON WC Description: DIOS GIM ON WC Welding Process: Tigly Mig[] Base materiel: Aluminum Current: AC[] DC[] TEST REQUIREMENTS AND RESULTS Visual: pass[] fail[] Penetration: pass[] fail[] UNACCEPTABLE Cracks: pass[] fail[] Undercut: pass[] fail[] Pin holes: pass[] fail[] Overlap (cold lap) pass[] fail[] Porosity (surface): pass[] fail[] Qualifier Date of Test Coupon O? Od. O.5 | Name: Barcles Ellio | 1 | |
| Part number: DiOS 644 Oil WCs Description: Color of the Mig[] Base materiel: AC[DC[]] TEST REQUIREMENTS AND RESULTS Visual: pass[fail[] pass[fail[]] Penetration: pass[fail[] pass[fail[]] UNACCEPTABLE Cracks: pass[fail[] pass[fail[]] pass[f | Job number: 44849 0" | | |
| Description: Welding Process: Tig[Mig[] Base materiel: Aluminary Current: AC[DC[] TEST REQUIREMENTS AND RESULTS Visual: Pass[fail[] Penetration: pass[fail[] UNACCEPTABLE Cracks: pass[fail[] Undercut: pass[fail[] Pin holes: pass[fail[] Porosity (surface): pass[fail[] Coloration: Date of Test Coupon (22, 03, 0.5) | | C | r |
| Welding Process: Tig[/ Mig[] Base materiel: Aluminum Current: AC[/ DC[] TEST REQUIREMENTS AND RESULTS Visual: pass[/ fail[] fail[] Penetration: pass[/ fail[] pa | | | · |
| Base materiel: Aluminum Current: AC[DC[] TEST REQUIREMENTS AND RESULTS Visual: pass[fail[] Penetration: pass[fail[] UNACCEPTABLE Cracks: pass[fail[] Undercut: pass[fail[] Pin holes: pass[fail[] Porosity (surface): pass[fail[] Coloration: pass[fail[] Qualifier Qualifier Date of Test Coupon 09 02 03 05 | Welding Process: Tig[X Mig[] | e e e e e e e e e e e e e e e e e e e | |
| Visual: Penetration: UNACCEPTABLE Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Qualifier Qualifier | | | |
| Visual: Penetration: UNACCEPTABLE Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Qualifier O O O O O O Qualifier O O O O O Date of Test Coupon O O O Pass of Test Coupon O O O O Date of Test Coupon O O O O O Date of Test Coupon O O O O O Date of Test Coupon O O O O O Date of Test Coupon O O O O O Date of Test Coupon O O O O O Date of Test Coupon O O O O O Date of Test Coupon O O O O O Date of Test Coupon O O O O O Date of Test Coupon O O O O O Date of Test Coupon O O O O O O Date of Test Coupon O O O O O Date of Test Coupon O O Date of Test Coupon O O O O Date of Test Coupon O O O Date of Test Coupon O O O O | | | |
| Visual: Penetration: UNACCEPTABLE Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Qualifier O O O O O O O O O | Current. Actor 2 of 1 | | |
| Visual: Penetration: UNACCEPTABLE Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Qualifier O O O O O O O O O | • | | • |
| Visual: Penetration: UNACCEPTABLE Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Qualifier O O O O O O O O O | | | · |
| Visual: Penetration: UNACCEPTABLE Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Qualifier O O O O O O O O O | TEST REC | DUTREMENTS AND R | ESULTS |
| Visual: Penetration: UNACCEPTABLE Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Qualifier O O O O O O O O O | 1EDT ILLY | ~ · · · <u> </u> | |
| UNACCEPTABLE Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Date of Test Coupon 09:02.05 | | | |
| UNACCEPTABLE Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Date of Test Coupon 09:02.05 | | , | |
| UNACCEPTABLE Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Date of Test Coupon 09:02.05 | | | ** |
| UNACCEPTABLE Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Date of Test Coupon 09:02.05 | Visual: | pass[/] fail[] | |
| UNACCEPTABLE Cracks: pass[] fail[] p | , | pass[/] fail[] | • |
| Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Date of Test Coupon 09.02.05 | I chouse - | | |
| Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Date of Test Coupon 09.02.05 | UNACCEPTABLE | * | |
| Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Date of Test Coupon 09.02.05 | OTTRO DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DE LA CON | · | |
| Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Date of Test Coupon 09.02.05 | Cracks: | | |
| Pin holes: Overlap (cold lap) Porosity (surface): Coloration: Date of Test Coupon 09.02.05 | | r t + " - | |
| Overlap (cold lap) Porosity (surface): Coloration: Date of Test Coupon 09.02.05 | Din holes | pass[/] fail[] | |
| Porosity (surface): Coloration: pass[] fail[] pass[] fail[] Qualifier O Duc Date of Test Coupon 09.02.05 | v. · | pass[/] fail[] | |
| Qualifier led buck Date of Test Coupon 09.02.05 | | | |
| Qualifier Pol Duck. Date of Test Coupon 09.02.05 | | pass[/ fail[] | • |
| Deta of Test Coupon 09 02.05 | Coloration. | | |
| Deta of Test Coupon 09 02.05 | | e · · · · · · · · · · · · · · · · · · · | |
| Deta of Test Coupon 09 02.05 | Omerican Pol Noval | Date of Test Coupon Oq-C | 2.05 |
| Welder Horelan Ellicot Date of Test Coupon 09 02-05 | Quamier CA-IXWCL | | |
| Weider / Kongrey Commis | Walson Boardo Ellerot | Date of Test Coupon <u>09 02</u> | .05 |
| | weider / january sounds | _ · · · | |
| | // | | |

The above named individual is qualified in accordance with AWS D17.1.2001 to weld